Recombinant Mouse Ucn2 protein, His-tagged

Cat. No. Ucn2-7915M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ucn2 aa. (Leu31~Arg112) fused with N-terminal His tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Leu31~Arg112
Description	This gene encodes a member of the corticotropin-releasing hormone peptide family that participates in coordinating autonomic, endocrine, and behavioral responses to stress. The encoded preproprotein undergoes proteolytic processing to generate a mature, functional hormone. Mice lacking the encoded protein exhibit increased insulin sensitivity and were protected against fat-induced insulin resistance. In addition, female mice lacking the encoded protein exhibit a significant increase in the basal daily rhythms of adrenocorticotropic hormone and corticosterone, and a significant decrease in fluid intake and depressive-like behavior.
Form	Freeze-dried powder
Molecular Mass	15kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>98%

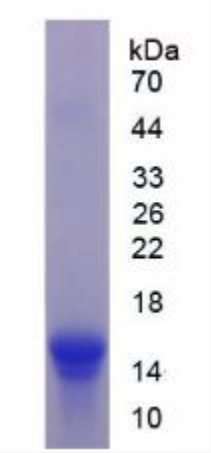
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Characteristic	The isoelectric point is 8.3.
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200μg/mL
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Ucn2 urocortin 2 [Mus musculus (house mouse)]
Official Symbol	Ucn2
Synonyms	Ucn2; urocortin 2; Ucn-2; Ucn II; ucn-II; urocortin-2; Urocortin II
Gene ID	171530

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mRNA Refseq	NM_145077.1
Protein Refseq	NP_659543.1
UniProt ID	Q99ML8
SDS-PAGE	

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